

Amendments to the Claims:

This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1 (Currently Amended): A laminate packaging flat cell, comprising:
a laminate film formed by combining polymer and metal with each other;
a power generating element formed of a plurality of electrode plates and separators, and
hermetically sealed by the laminate film; and
an electrode terminal lead coupled to the electrode plate,
wherein the power generating element is hermetically sealed by forming a thermally
welded portion on an outer periphery of the laminate film, and
wherein the electrode terminal lead protrudes from the thermally welded portion in a protruding direction, and a through-hole is a plurality of through-holes are provided in the electrode terminal lead in a position thereof contacting the thermally welded portion, the through-holes form first and second rows along a widthwise direction of the electrode terminal lead that is substantially perpendicular to the protruding direction, and the through-holes in the first row are arranged to offset to the through-holes in the second row in the widthwise direction when viewed along the protruding direction.

2 (Canceled)

3 (Original): A laminate packaging flat cell according to claim 1,
wherein a ratio of a cross-sectional area of the through-holes to a cross-sectional area of the
electrode terminal lead ranges from 20 to 50%.

4 (Original): A laminate packaging flat cell according to claim 1,

wherein an adhesive layer is provided on at least one surface of the electrode terminal lead.

5 (Currently Amended): A laminate packaging flat cell ~~according to claim 1, comprising:~~
a laminate film formed by combining polymer and metal with each other;

a power generating element formed of a plurality of electrode plates and separators, and
hermetically sealed by the laminate film; and
an electrode terminal lead coupled to the electrode plate,
wherein the power generating element is hermetically sealed by forming a thermally
welded portion on an outer periphery of the laminate film, and
wherein the electrode terminal lead protrudes from the thermally welded portion, and a
through-hole is provided in the electrode terminal lead in a position thereof contacting the
thermally welded portion, wherein an end of the laminate film joined to the electrode terminal
lead is folded back toward an outside of the cell on itself.

6 (Currently Amended): A battery module, comprising:
at least two laminate packaging flat cells connected in series and/or in parallel,
the laminate packaging flat cell comprising:
a laminate film formed by combining polymer and metal with each other;
a power generating element formed of a plurality of electrode plates and
separators, and hermetically sealed by the laminate film; and
an electrode terminal lead coupled to the electrode plate,
wherein the power generating element is hermetically sealed by forming a thermally
welded portion on an outer periphery of the laminate film, and
wherein the electrode terminal lead protrudes from the thermally welded portion in a
protruding direction, and a through-hole is a plurality of through-holes are provided in the
electrode terminal lead in a position thereof contacting the thermally welded portion, the
through-holes form first and second rows along a widthwise direction of the electrode terminal
lead that is substantially perpendicular to the protruding direction, and the through-holes in the

first row are arranged to offset to the through-holes in the second row in the widthwise direction when viewed along the protruding direction.

7 (Currently Amended): An assembled battery, comprising:

at least two battery modules connected in series and/or in parallel, the battery modules including a laminate packaging flat cell,

the laminate packaging flat cell comprising:

a laminate film formed by combining polymer and metal with each other;

a power generating element formed of a plurality of electrode plates and separators, and hermetically sealed by the laminate film; and

an electrode terminal lead coupled to the electrode plate,

wherein the power generating element is hermetically sealed by forming a thermally welded portion on an outer periphery of the laminate film, and

wherein the electrode terminal lead protrudes from the thermally welded portion in a protruding direction, and a through-hole is a plurality of through-holes are provided in the electrode terminal lead in a position thereof contacting the thermally welded portion, the through-holes form first and second rows along a widthwise direction of the electrode terminal lead that is substantially perpendicular to the protruding direction, and the through-holes in the first row are arranged to offset to the through-holes in the second row in the widthwise direction when viewed along the protruding direction.

8 (Currently Amended): A vehicle, comprising:

[[An]] an assembled battery including at least two battery modules connected in series and/or in parallel, the battery modules having a laminate packaging flat cell,

the laminate packaging flat cell, comprising:

a laminate film formed by combining polymer and metal with each other;
a power generating element formed of a plurality of electrode plates and
separators, and hermetically sealed by the laminate film; and
an electrode terminal lead coupled to the electrode plate,
wherein the power generating element is hermetically sealed by forming a thermally
welded portion on an outer periphery of the laminate film, and
wherein the electrode terminal lead protrudes from the thermally welded portion in a
protruding direction, and a through-hole is a plurality of through-holes are provided in the
electrode terminal lead in a position thereof contacting the thermally welded portion, the
through-holes form first and second rows along a widthwise direction of the electrode terminal
lead that is substantially perpendicular to the protruding direction, and the through-holes in the
first row are arranged to offset to the through-holes in the second row in the widthwise direction
when viewed along the protruding direction.

9 (Currently Amended): A method for manufacturing a laminate packaging flat cell,
comprising:

preparing a laminate film formed by combining polymer and metal with each other; a
power generating element formed of a plurality of electrode plates and separators, and
hermetically sealed in the laminate film by forming a thermally welded portion on an outer
periphery of the laminate film; and an electrode terminal lead coupled to the electrode plate
protruding from the thermally welded portion in a protruding portion, and having a through-hole
plurality of through-holes provided in the electrode terminal lead in a contact portion with the
thermally welded portion, the through-holes form first and second rows along a widthwise
direction of the electrode terminal lead that is substantially perpendicular to the protruding

direction, and the through-holes in the first row are arranged to offset to the through-holes in the second row in the widthwise direction when viewed along the protruding direction;

attaching an adhesive layer onto the contact portion of at least one surface of the electrode terminal lead; and

forming the thermally welded portion by thermally welding the laminate film while interposing the adhesive layer therebetween, and hermetically sealing the power generating element.

10 (New): A laminate packaging flat cell, comprising:

a laminate film formed by combining polymer and metal with each other;

a power generating element formed of a plurality of electrode plates and separators, and hermetically sealed by the laminate film; and

an electrode terminal lead coupled to the electrode plate,

wherein the power generating element is hermetically sealed by forming a thermally welded portion on an outer periphery of the laminate film, and

wherein the electrode terminal lead protrudes from the thermally welded portion in a protruding direction, a plurality of through-holes are provided in the electrode terminal lead in a position thereof contacting the thermally welded portion, and the through-holes being arranged to prevent leakage of electrolyte linearly through a location of the thermally welded portion of the laminate film where the terminal electrode lead protrudes.

11 (New): A laminate packaging flat cell, comprising:

a laminate film formed by combining polymer and metal with each other;

a power generating element formed of a plurality of electrode plates and separators, and hermetically sealed by the laminate film; and

an electrode terminal lead coupled to the electrode plate,
wherein the power generating element is hermetically sealed by forming a thermally
welded portion on an outer periphery of the laminate film, and
wherein the electrode terminal lead protrudes from the thermally welded portion in a
protruding direction and a through-hole is provided in the electrode terminal lead in a position
thereof contacting the thermally welded portion, wherein the through-hole is elongated along a
widthwise direction of the electrode terminal lead that is substantially perpendicular to the
protruding direction.

12 (New): A laminate packaging flat cell according to claim 11,

wherein the electrode terminal lead further comprises a plurality of through holes.

13 (New): A laminate packaging flat cell according to claim 11,

wherein said through holes are arcuately-shaped.